The Water Cycle: Energy and Forces

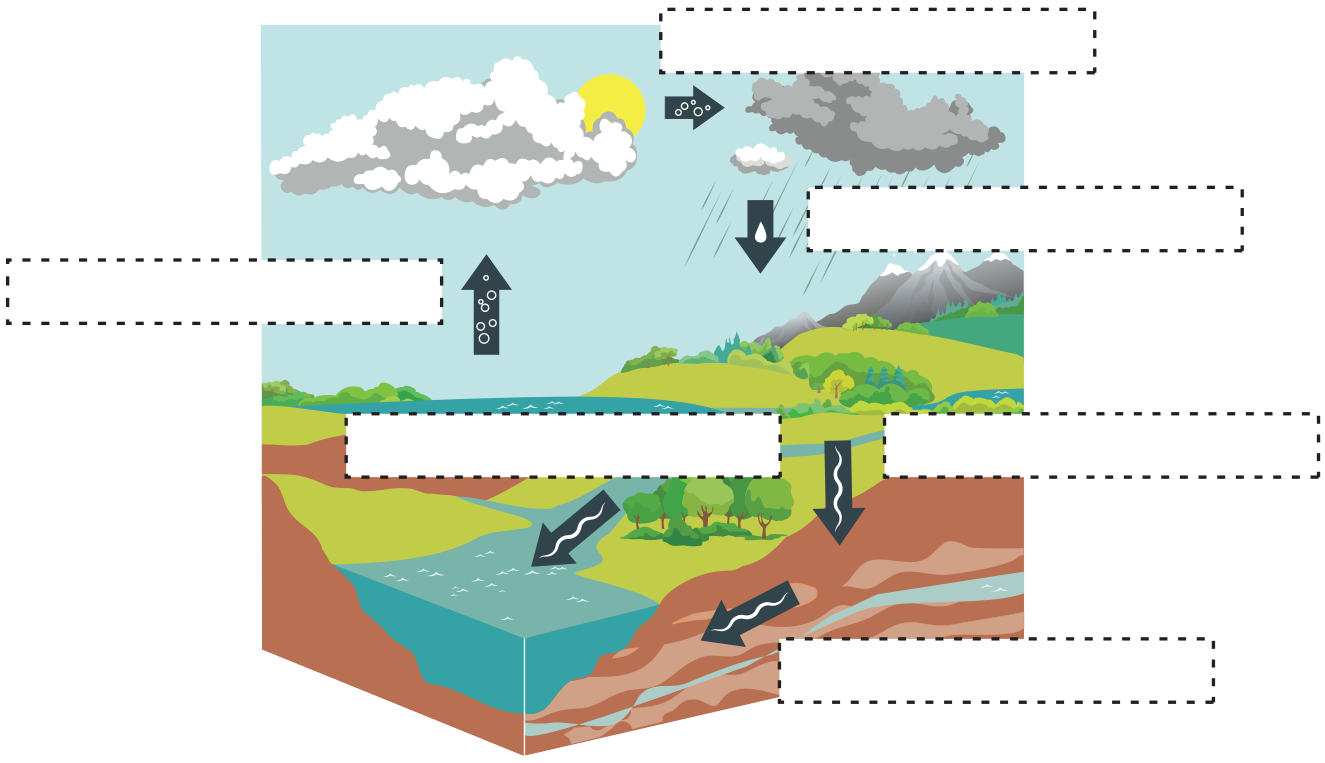


Show what you know about the water cycle by answering the questions below!

1. **Vocabulary Matching:** Draw a line to match the vocabulary term on the left with its definition on the right.

Precipitation	The process of water changing from a liquid to a gas at the surface of a body of water
Condensation	The process of water changing from a gas to a liquid
Evaporation	The process of water falling from clouds toward Earth's surface
Surface runoff	The process of water flowing along Earth's surface
Groundwater flow	The process of liquid water moving from above the ground to below Earth's surface
Infiltration	The process of liquid water moving below Earth's surface

2. **Label the Diagram:** Use the vocabulary terms above to label the diagram below. You will use each term once.



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Answer the questions below.

3. Name at least three different forms of precipitation. _____

4. Transpiration is when a plant releases water vapor through its stomata, which are pores in its leaves and stems. What other process in the water cycle is this most similar to? Explain your reasoning.

5. Which process in the water cycle requires energy from the sun? Explain how you know.

6. During which process in the water cycle does water release thermal energy? Explain how you know.

7. If you leave a cold glass of water outside on a hot summer day, water droplets form on the outside of the glass. Where does this water come from? What process in the water cycle causes this to happen?

8. Which processes in the water cycle are driven by the force of gravity? Explain how you know.

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